

Please ENTER the NAME (only one) of the library you want to search.  
 - For more information about a library, ENTER its page (PG) number.  
 - To see a list of additional libraries, press the NEXT PAGE key.

NAME	PG	NAME	PG	NAME	PG	NAME	PG	NAME	PG	NAME	PG	NAME	PG
-----General Legal----- Publisher --Public Records--- Financial --News--													
MEGA	1	2NDARY	2	LITGAT	2	DRI	2	ALLREC	4	LEXDOC	5	COMPNY	7
GENFED	1	ALR	2	LAWREV	3	MATBEN	2	ASSETS	4	LICNSE	5	NAARS	7
STATES	1	ABA	2	MARHUB	3	ASPEN	2	DOCKET	4	LIENS	5		
CODES	1	CAREER	2	LEXREF	3	PLI	2	FINDER	4	NON-US	5		
CITES	1	CLE	3					INCORP	4	P-PROP	5		
LEGIS	1							INSOLV	5	VERDCT	5		

-----Area of Law----- Medical													
ADVSOR	6	CONLAW	8	ELDER	9	FEDTAX	10	K-LAW	11	PUBCON	12	TELCOM	10
ACCTG	8	CONSTR	8	ENERGY	9	HEALTH	11	LABOR	11	PUBHW	13	TORTS	14
ADMIN	8	CORP	9	ENVIRN	9	HR	10	LEXPAT	12	REALTY	13	TRADE	14
ADMRTY	8	COPYRT	8	ESTATE	9	IMMIG	11	M&A	12	STSEC	13	TRANS	14
ADR	8	CRIME	9	ETHICS	10	INSURE	11	MILTRY	12	STTAX	13	TRDMRK	14
BANKNG	8	CYBRLW	9	FAMILY	10	INTLAW	11	PATENT	12	TAXANA	13	UCC	14
BKRTCY	8	E-COMM	10	FEDSEC	10	ITRADE	11	PENBEN	12	TAXRIA	13	WCSSD	14
		EDLAW	9										

Enter .NP for Individual States, International Law and more News information

Please ENTER the NAME of the file you want to search. To see a description of a file, type its page number and press the ENTER key.

FILES - PAGE 1 of 7 (NEXT PAGE for additional files)

NAME PG DESCRIP

NAME PG DESCRIP

---CASES & ADMINISTRATIVE DECISIONS---

IPOMNI 1 Int Prop Cases & Reg Matl  
PTOMNI 1 FEDCTS, PTO, ITC, ALLREG  
CASES 1 FEDCTS, PTO & ITC  
FEDCTS 2 Patent cases from Fed. Cts.  
CCPA 2 Ct Customs & Patent Appeals  
CAFC 2 Patent cases from Fed. Cir.  
PTO 2 PATAPP & COMMR

-----SECONDARY SOURCES-----

IPLTR 5 Intell Prop Law Nwltrs  
IPLR 5 Intell Prop Law Rev Articles

-----PATENTS GROUP FILES-----

ALL 4 UTIL, DESIGN, PLANT, SIR,  
REEEXAM & REISS  
ALLPAT 4 Comb. ALL & INTPAT

-----U.S. PATENTS-----

UTIL 4 Full Text Patents from 1836  
DESIGN 4 Full Text Patents from 1843  
PLANT 4 Full Text Patents from 1931  
USPGP 4 Pre-Grant Pubs. from 3/2001  
PATNEW 4 U.S. Grants Early Update

To scroll down for additional information, enter .DWN

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5400549

<=1> GET 1st DRAWING SHEET OF 2

March 28, 1995

Insulated removable pond cover

REEXAM-LITIGATE: Industrial Environmental Concepts, Inc. v. Gary Chamness, et al, Filed Mar. 26, 1997, D.C. Minnesota (St. Paul), Doc. No. 97-740 RHK/FLN

APPL-NO: 08139835

FILED-DATE: October 22, 1993

GRANTED-DATE: March 28, 1995

CORE TERMS: pond, cable, casing, grommet, panel, insulated, insulation, removeable, linked, loop ...

08/828330

1/1 PLUSPAT - (C) QUESTEL-ORBIT  
PN - US5400549 A 19950328 [US5400549]  
STG - (A) United States patent  
TI - (A) Insulated removable pond cover  
IN - (A) MORGAN WILLIAM D (US)  
IC - (A) E04B-007/00  
AP - US13983593 19931022 [1993US-0139835]  
PR - US13983593 19931022 [1993US-0139835]  
EC - B09B-001/00C  
- E04H-004/08  
PCL - ORIGINAL (O) : 052023000; CROSS-REFERENCE (X) : 004498000 052005000  
160231100  
DT - Basic

1/1 LGST - (C) LEGSTAT  
PN - US 5400549 [US5400549]  
AP - US 139835/93 19931022 [1993US-0139835]  
DT - US-P  
ACT - 19931022 US/AE-A  
APPLICATION DATA (PATENT)  
{US 139835/93 19931022 [1993US-0139835]}  
- 19950328 US/A  
PATENT  
UP - 1996-07

1/1 PAST - (C) Thomson Derwent  
AN - 199715-000875  
PN - 5400549 A [US5400549]  
ACT - PATENT SUIT

1/1 LITA - (C) Thomson Derwent  
AN - P1997-15-04  
FS - PATENT (P)  
PN - US5400549 19950328 (Utility)  
PF - Industrial Environmental Concepts Incorporated  
DF - Chamness Gary;  
- Waste Management & Design Incorporated;  
- Horizon Technology Incorporated  
CT - MN  
DN - 97-740 RHK-FLN  
FD - 1997-03-26  
ACT - A complaint was filed.

Search statement 2

?

karen lehman

09/782234 Richardson

) 2002 EPO. All rts. reserv.

12296878

Basic Patent (No,Kind,Date): US 5400549 A 19950328 <No. of Patents: 001>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
US 5400549	A	19950328	US 139835	A	19931022 (BASIC)

Priority Data (No,Kind,Date):

US 139835 A 19931022

PATENT FAMILY:

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5400549 A 19950328

INSULATED REMOVABLE POND COVER (English)

Patent Assignee: MORGAN WILLIAM D (US)

Author (Inventor): MORGAN WILLIAM D (US)

Priority (No,Kind,Date): US 139835 A 19931022

Applic (No,Kind,Date): US 139835 A 19931022

National Class: \* 052023000; 052005000; 004498000; 160231100

IPC: \* E04B-007/00

Derwent WPI Acc No: \* G 95-138399; G 95-138399

Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 5400549	P	19931022	US AE	APPLICATION DATA (PATENT)
------------	---	----------	-------	---------------------------

(APPL. DATA (PATENT))

US 139835	A	19931022
-----------	---	----------

US 5400549	P	19950328	US A	PATENT
------------	---	----------	------	--------

?

karen lehman

=> s cover

L1 455697 COVER

=> s pond or pool or tank or water

4501 POND  
 27294 POOL  
 145340 TANK  
 693286 WATER  
 L2 759189 POND OR POOL OR TANK OR WATER

=> s 11(p)12

L3 42086 L1(P)L2

=> s insulat###

L4 290285 INSULAT###  
 75% OF LIMIT FOR TOTAL ANSWERS REACHED

=> s 14(p)13

L5 3181 L4(P)L3

=> s grommet

L6 7921 GROMMET

=> s 15 and 16

L7 46 L5 AND L6

=> d 1-46

1. 5,660,307, Aug. 26, 1997, Ice dispenser and combination ice and beverage dispenser; Alfred A. Schroeder, et al., 222/108; 137/313; 141/87; 403/316 [IMAGE AVAILABLE]
2. 5,628,073, May 13, 1997, Sauna; John Popovich, 4/524, 528; 135/115, 124 [IMAGE AVAILABLE]
3. 5,564,213, Oct. 15, 1996, Fold-up ice fishing rig; John R. Rinehart, 43/17 [IMAGE AVAILABLE]
4. 5,434,945, Jul. 18, 1995, Protective shell for cable connection module; Denis E. Burek, et al., 385/135, 134, 136 [IMAGE AVAILABLE]
5. 5,421,041, Jun. 6, 1995, Pool coping protector; Robert Stern, 4/498; 24/563; 52/3 [IMAGE AVAILABLE]
6. 5,400,549, Mar. 28, 1995, **Insulated** removable **pond cover**; William D. Morgan, 52/23; 4/498; 52/5; 160/231.1 [IMAGE AVAILABLE]
7. 5,351,670, Oct. 4, 1994, Ignition distributor for an internal combustion engine; Kaneo Buma, et al., 123/635, 146.5A; 200/19DC, 19DR [IMAGE AVAILABLE]
8. 5,208,895, May 4, 1993, Combination heated scraper and steamer; Joseph R. Hoover, Jr., et al., 392/404; 219/229; 392/405 [IMAGE AVAILABLE]

AVAILABLE]

9. 5,095,559, Mar. 17, 1992, Heating apparatus; Leif Liljegren, et al., 4/541.2, 541.5, 559; 219/201, 217; 392/354, 373, 482, 485, 489; 441/130 [IMAGE AVAILABLE]
10. 5,094,098, Mar. 10, 1992, Rotatable shaft assembly for a gear reduction mechanism; Hideya Hori, et al., 74/7E; 73/1.75; 74/497 [IMAGE AVAILABLE]
11. 5,086,525, Feb. 11, 1992, Moisture-proof spa cover and method of construction; Larry D. Christopher, 4/498, 580 [IMAGE AVAILABLE]
12. 5,053,634, Oct. 1, 1991, Waterproofing device for control circuit used in outboard engines; Seiichi Kakinuma, 307/9.1; 174/52.3; 200/302.2; 335/202; 440/61 [IMAGE AVAILABLE]
13. 5,044,281, Sep. 3, 1991, Submarine flare with vertical attitude determination; Peter Ramsay, et al., 102/340, 224, 351, 354, 357 [IMAGE AVAILABLE]
14. 5,023,433, Jun. 11, 1991, Electrical heating unit; Richard A. Gordon, 219/548, 545, 549 [IMAGE AVAILABLE]
15. 5,020,625, Jun. 4, 1991, Motor bicycle provided with article accommodating apparatus; Kosaku Yamauchi, et al., 180/219; 70/241; 296/37.1, 180.1 [IMAGE AVAILABLE]
16. 5,011,379, Apr. 30, 1991, Electromagnetic diaphragm pump; Atsuki Hashimoto, 417/360, 413.1, 418 [IMAGE AVAILABLE]
17. 4,802,245, Feb. 7, 1989, Ear protector; Richard J. Miano, 2/209, 68, 918; D29/112 [IMAGE AVAILABLE]
18. 4,791,258, Dec. 13, 1988, Sealed enclosure for electrical circuitry in moist environment; Stephen E. Youtz, et al., 200/302.1; 174/52.3; 200/5A [IMAGE AVAILABLE]
19. 4,790,293, Dec. 13, 1988, Apparatus and method for solar heating of water; R. Scott Caines, 126/564; 4/493, 496; 126/627, 714 [IMAGE AVAILABLE]
20. 4,677,521, Jun. 30, 1987, Static dissipative grounding strap; Thomas G. Frazier, 361/220 [IMAGE AVAILABLE]
21. 4,551,719, Nov. 5, 1985, Oil field lease management and security system and method therefor; John A. Carlin, et al., 340/825.36; 364/510 [IMAGE AVAILABLE]
22. 4,526,672, Jul. 2, 1985, Oxygen sensor; Larry T. Reed, 204/428, 427 [IMAGE AVAILABLE]
23. 4,525,253, Jun. 25, 1985, Method and apparatus for purification of water; Daniel F. Hayes, et al., 210/748; 204/228, 271, 273, 275, 293; 205/701; 210/169, 764 [IMAGE AVAILABLE]
24. 4,513,214, Apr. 23, 1985, Dynamoelectric machine; Bruce G. Dieringer, 310/71, 43, 89, 112, 239 [IMAGE AVAILABLE]
25. 4,505,261, Mar. 19, 1985, Modular passive solar heating system; Billy D. Hunter, 126/635, 588, 640, 663, 704; 165/70 [IMAGE AVAILABLE]
26. 4,488,008, Dec. 11, 1984, Telephone network interface device; Thomas A. Dellinger, et al., 379/30, 412; 439/544 [IMAGE AVAILABLE]

27. 4,487,065, Dec. 12, 1984, Storage tank level monitoring apparatus and method therefor; John A. Carlin, et al., 73/290V; 70/870.16; 364/509, 571.01; 367/908 [IMAGE AVAILABLE]
28. 4,446,584, May 8, 1984, Heated toilet seat; Koichi Suzuki, et al., 4/237, DIG.6; 174/DIG.9; 219/217; 439/31 [IMAGE AVAILABLE]
29. 4,401,100, Aug. 30, 1983, Water heating system; Harold E. Slater, et al., 126/362, 641, 643; 137/113; 237/59 [IMAGE AVAILABLE]
30. 4,393,528, Jul. 19, 1983, Adjustable trampoline type pool and hot tub cover; Trent W. West, 4/498 [IMAGE AVAILABLE]
31. 4,385,474, May 31, 1983, Thermally and sonically insulating and weatherproofing cover for mobile homes; Ronald L. Earley, 52/96, 3 [IMAGE AVAILABLE]
32. 4,338,921, Jul. 13, 1982, Solar liquid heating system; Willard J. Harder, et al., 126/659, 615, 620, 623, 661, 904, 908 [IMAGE AVAILABLE]
33. 4,336,517, Jun. 22, 1982, Revolution detecting device; Kyoji Kobayashi, et al., 335/205; 74/12; 310/68B; 324/174 [IMAGE AVAILABLE]
34. 4,291,192, Sep. 22, 1981, Venting apparatus for an electric cable pothead; Thomas F. Eccleston, et al., 174/11BH, 19 [IMAGE AVAILABLE]
35. 4,226,206, Oct. 7, 1980, Retractable propulsive means for small boats; John E. Wilson, 440/112; 248/640; 440/53 [IMAGE AVAILABLE]
36. 4,207,753, Jun. 17, 1980, Drain system for household refrigerator; Samuel B. Shueh, et al., 62/285 [IMAGE AVAILABLE]
37. 4,142,377, Mar. 6, 1979, Ice maker flexible tray construction; Thomas H. Fogt, 62/135, 353 [IMAGE AVAILABLE]
38. 4,100,885, Jul. 18, 1978, Stock waterer; Lawrence E. Kapplinger, 119/73 [IMAGE AVAILABLE]
39. 4,097,717, Jun. 27, 1978, Water bed mattress with regulated heating means therefor and controlling the heat loss therefrom and the method of making the same; Raymond M. Phillips, 219/217; 5/422, 668, 678, 915; 392/443 [IMAGE AVAILABLE]
40. 4,052,161, Oct. 4, 1977, Kinetic analyzer; John G. Atwood, et al., 436/34; 356/246; 422/64, 81, 82; 436/49, 53 [IMAGE AVAILABLE]
41. 3,934,055, Jan. 20, 1976, Electrostatic spray method; Simon Z. Tamny, 427/8; 239/3; 427/483 [IMAGE AVAILABLE]
42. 3,921,414, Nov. 25, 1975, Water fill arrangement for clear cube ice maker; James A. Bright, 62/188, 351, 353 [IMAGE AVAILABLE]
43. 3,892,357, Jul. 1, 1975, Electrostatic spray apparatus and method; Simon Z. Tamny, 239/706; 118/629 [IMAGE AVAILABLE]
44. 3,879,600, Apr. 22, 1975, Heating apparatus for well pits and the like; Carle P. Beck, 392/440; 138/33; 248/156; 392/422 [IMAGE AVAILABLE]
45. 3,798,692, Mar. 26, 1974, POWER SUPPLY AND PRESSURE SWITCH ASSEMBLY; Harvey L. Madeley, 441/89; 200/83N [IMAGE AVAILABLE]
46. 3,784,733, Jan. 8, 1974, BUSHING FOR TRANSFORMERS AND THE LIKE; Donald J. Farmer, et al., 174/153R, 31R, 142 [IMAGE AVAILABLE]

=> d ab 2,4,9,11,19,25,27,29,30-32

## ABSTRACT:

A sauna fabricated from a tubular metal space frame mounting a circular plywood seat and shrouded by a vinyl and thermal shield skin having a clear plastic thermoformed hinged door therein with a magnetic door latch. A manually-actuated, timer-controlled electric infrared heater is located in a domical array in the top of the space frame assembly with the innermost dome serving as a reflector for the infrared heater.

## ABSTRACT:

A protective shell for a splice closure or the like has a flange base member and a flange cover member. A triangularly shaped ridge extends along each flange which hold triangularly shaped clamps in place against displacement, yet, in conjunction with the clamps, create room for the insertion of mounting hardware in the clamps. The closure is supported within the shell so that it is surrounded by space for an encapsulant. The supports for the closure are configured to permit passage of liquid encapsulant into the space between the-bottom of the closure and the base member.

## ABSTRACT:

A heating apparatus comprises a closed vessel having thermally conducting walls and containing a gas that is heated by one or more electrical heating elements in the vessel. The vessel is received in a duct through which air is blown. The air is heated by the heat transferred to the vessel walls by the gas in the vessel. Pressure and thermostatic switches in the circuit of the heating element communicate with the gas in the vessel and provide a double-safety, over-temperature power shut-off. The heating apparatus may be used to blow hot air into water in a tub through hoses leading to inlet openings or to an air distribution mat placed in the tub. The bubbles of hot air heat the water and produce strong agitation. A special raft receives the air distribution mat, which heats water in the raft by bubbling hot air through it. The heating apparatus can also be used for space heating, warming and drying towels and clothes, hair drying and grooming animals.

## ABSTRACT:

An improved design and method of construction for spa or hot tub covers. The top panel and bottom panel of a first cover are each unitary and are heat sealed together to provide a superior moisture-proof cover. A second cover is constructed in the same manner and the two covers are hingedly attached together with a heat sealed flange integral with the top and bottom panels of each cover.

## ABSTRACT:

A solar heating apparatus for a tank of water is disclosed which comprises a plurality of substantially planar, light absorbent strips positioned substantially vertically in spaced relationship in the water. The plurality of strips functions as a light trap for solar radiation.

## ABSTRACT:

A modular passive solar energy storage system comprises a plurality of

heat tubes which are arranged to form a flat plate solar collector and are releasably connected to a water reservoir by, and a part of, double-walled heat exchangers which penetrate to the water reservoir and enhance the heat transfer characteristics between the collector and the reservoir. The flat plate collector-heat exchanger disassembly, the collector housing, and the reservoir are integrated into a relatively light weight, unitary structural system in which the reservoir is a primary structural element. In addition to light weight, the system features high efficiency and ease of assembly and maintenance.

US PAT NO: 4,487,065 [IMAGE AVAILABLE]

L7: 27 of 46

ABSTRACT:

A storage tank level monitoring apparatus and method for determining fluid levels in a storage tank. The apparatus of the present invention includes a magnet coated with rubber for holding a pivotally mounted housing to the interior of the storage tank and an ultrasonic transducer contained within the housing for generating acoustic pulses and for receiving reflections of the acoustic pulses for producing an analog signal proportional to the reflections, a string carrying a number of reference disks vertically oriented below the housing for producing a series of reflected acoustic signals from each reference disk, and a processor connected to the ultrasonic transducer for activating the transducer and for analyzing the reflected pulses for calibrating the apparatus for environmental changes in the atmosphere above the stored fluid and for determining the level of the stored fluid in the tank. The method of the present invention includes the steps of receiving reflected pulses from each reference disk only during certain window time intervals and to calibrate the system by adjusting for environmental conditions between the transducer and the fluid level.

US PAT NO: 4,401,100 [IMAGE AVAILABLE]

L7: 29 of 46

ABSTRACT:

A water heating system comprises a lower energy storage tank connected with a source of energy and an upper tank mounted on top of the lower. The upper tank may be a conventional water heater or a water storage tank connected at an outlet therefrom with an instantaneous type water heater, and the tanks are interconnected through a valve. The valve operates to direct incoming cold water through a heat exchanger in the lower tank for being preheated prior to introduction into the upper tank and accommodates a thermal syphon effect between the tanks when fresh water is not being supplied, whereby heat energy is automatically transferred from the lower to the upper tank. The lower tank may advantageously and economically comprise a conventional drum, for example a 55 gallon drum, and all system components are mounted in a cover assembly for the lower tank, so that the upper tank need not be specially fabricated, with the cover assembly also serving to support the upper tank.

US PAT NO: 4,393,528 [IMAGE AVAILABLE]

L7: 30 of 46

ABSTRACT:

A cover for covering pools having a pool coping elevated a predetermined height above the surface area surrounding the pool. A pair of spaced apart hinges are mounted to a rigid support adjacent the pool. A hinge arm is pivotally mounted in each hinge for pivoting about a pivot axis. Each arm is capable of rotation through a predetermined angle of rotation from a plane that is substantially normal to the pivot axis. Each hinge arm includes a clamp within which a rigid planar hoop that circumscribes the pool is secured. The hinge arm has an axis and the clamp has an axis oriented a predetermined clamp angle away from the axis of the arm. A panel spanning the central interior area of the hoop is secured to the hoop. The clamp angle and the angle of rotation in combination allow for adjustment of the hoop in the clamp in accordance with the shape of said hoop and the presence and elevation of the pool coping such that when the

panel covers the pool, the hoop lies in a horizontal plane. A resilient seal is attached to the one side of the panel for forming an air-tight seal with the panel such that when the panel covers the pool, the resilient seal contacts the surface area surrounding the pool for providing a substantially air-tight seal between the pool and the region enclosed by the cover.

US PAT NO: 4,385,474 [IMAGE AVAILABLE]

L7: 31 of 46

ABSTRACT:

A thermally and sonically insulating and weatherproofing cover for the roofs of mobile homes or like buildings comprises preformed or molded-in-situ slabs of expanded polystyrene bonded to the original roof surface, and a Neoprene-impregnated-fabric lamina stretched over the slabs and having downturned margins fastened to the upper side surfaces of the side walls of the building. The lamina margins are preferably provided with reinforced selvages having grommets to receive screws to fasten the lamina in place. An obtuse-angled trim strip desirably is employed to cover the grommets and screw heads. A gutter channel may be provided and be positioned to receive the lower edges of the lamina and the trim strip.

US PAT NO: 4,338,921 [IMAGE AVAILABLE]

L7: 32 of 46

ABSTRACT:

A solar liquid heating system having a collector receiving solar energy and heating a liquid. A liquid transfer pump moves the heated liquid to a heat transfer tank which heats water. The collector has a plate assembly mounted on a frame. Heat insulated bottoms, sides, and ends surrounded by the frame form an elongated chamber accommodating the plate assembly. The plate assembly has a plurality of side-by-side longitudinal plates. Adjacent plates have generally C-shaped sections that are located about a longitudinal tube for carrying liquid. Adjacent plates have lip and hook inter-connecting structures that cooperate with each other to clamp the tube between the C-shaped sections of the plates. The opposite ends of the tubes are connected to transverse tubular headers. The headers project through resilient grommets mounted on the sides of the frame. The top sides of the plate assembly are coated with black solar energy absorbing material. A light transparent cover encloses the plate assembly within the chamber of the collector.

=> d his

(FILE 'USPAT' ENTERED AT 14:26:54 ON 14 SEP 1998)

L1	0 S WASTE TREAMENT POND
L2	14 S WASTE TREATMENT POND
L3	7 S COVER AND L2
L4	175 S SOLAR POND
L5	50 S COVER AND L4
L6	19 S WASTE TREATMENT TANK
L7	401 S WASTE TREATMENT (P) TANK
L8	110 S L7 AND COVER
L9	2 S ANCHORING TRENCH
L10	171 S L2 OR L5 OR L8

=>